

# HIMANSHU SINGH

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[GitHub](#) | [LinkedIn](#) | [kaggle](#) | [Portfolio](#)

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## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript (Basic)

**Machine Learning & NLP:** Supervised and Unsupervised Learning, Neural Networks, Transformers, Time Series Analysis, Feature Engineering

**Frameworks & Libraries:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup

**Web Development:** Flask, FastAPI, HTML5, CSS3, JavaScript

**MLOps & Tools:** Docker, DVC, MLflow AWS (EC2, S3), GitHub Actions, CI/CD, OOPs

**Others:** Data Structures & Algorithms (DSA), Web Scraping, Data Cleaning, REST APIs

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## EDUCATION

- Bachelor of Technology (B.Tech) in Electronics and Communication Engineering  
*Indian Institute of Information Technology (IIIT) Una* | CGPA: **8.59** | 2023-2027
  - Higher Secondary (12th)  
*GSAS Academy, Harraiya, Basti (UP Board)* | Percentage: **94.6%** | 2022-2023
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## PROJECTS

1. **AgroAssist – AI-based Farming Assistant** | [GitHub](#)
    - Profitability score based recommendation which utilises yield prediction , crop price prediction and crop recommendation and used CNN for pest prediction.
    - Used the SARIMAX model to predict future crop prices.
    - Designed a full-stack application with **Flask**, **HTML/CSS/JS**, and **SQLite** for user auth, blogs, and expense management.
  2. **Vehicle Insurance Prediction** | [GitHub](#)
    - Deployed a vehicle insurance risk model as an API using **FastAPI**, **Docker**, and **AWS EC2**.
    - Automated training and deployment via **GitHub Actions**.
    - Achieved F1 score of **0.92**, integrated MongoDB Atlas for data storage and S3 for model storage.
  3. **Accent Recognition** | [GitHub](#)
    - Built and deployed an end-to-end accent recognition system using **Flask**, **Docker**, and **AWS EC2**.
    - Achieved **96% accuracy** and used **MLflow** for experiment tracking with model versioning.
    - Integrated **DVC** for data versioning and implemented **CI/CD** via **GitHub Actions** with modular OOP-based code.
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## ACHIEVEMENTS

1. Solved 600+ DSA questions on Leetcode.
2. 2nd Rank in Coderation Competitive Programming Contest at IIIT Una | [Credentials](#)